

**MISSOURI**  
DEPARTMENT OF  
NATURAL RESOURCES

## Total Maximum Daily Load Information Sheet

### Weldon River

Water Body ID: 0560

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#### Water Body Segment at a Glance:

**County:** Mercer/Grundy  
**Nearby City:** Princeton  
**Length:** 43.4 miles  
**Pollutant:** *E. coli* bacteria  
**Source:** Rural nonpoint sources



State Map Showing Location of Watershed

#### Scheduled for TMDL development:

TMDL development schedules are subject to change.

The most current schedule for TMDL development is available on the department's website at [dnr.mo.gov/env/wpp/tmdl/wpc-tmdl-progress.htm](http://dnr.mo.gov/env/wpp/tmdl/wpc-tmdl-progress.htm).

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#### Description of the Problem

A water body is considered impaired when it fails to meet applicable water quality standards. Water quality standards consist of designated uses, water quality criteria, an antidegradation policy and implementation procedures. The Weldon River is impaired due to exceedances of water quality criteria that protect recreational uses.

#### Designated uses of the Weldon River\*

- Warm Water Habitat (WWH)
- Whole Body Contact Recreation Category B (WBC-B)
- Secondary Contact Recreation (SCR)
- Human Health Protection (HHP)
- Irrigation (IRR)
- Livestock and Wildlife Protection (LWP)

\*In addition to these specific uses, all waters of the state are protected by the general water quality criteria that are specified in the state's Water Quality Standards at 10 CSR 20-7.031(4).

#### Use that is impaired

- Whole Body Contact Recreation Category B (WBC-B)

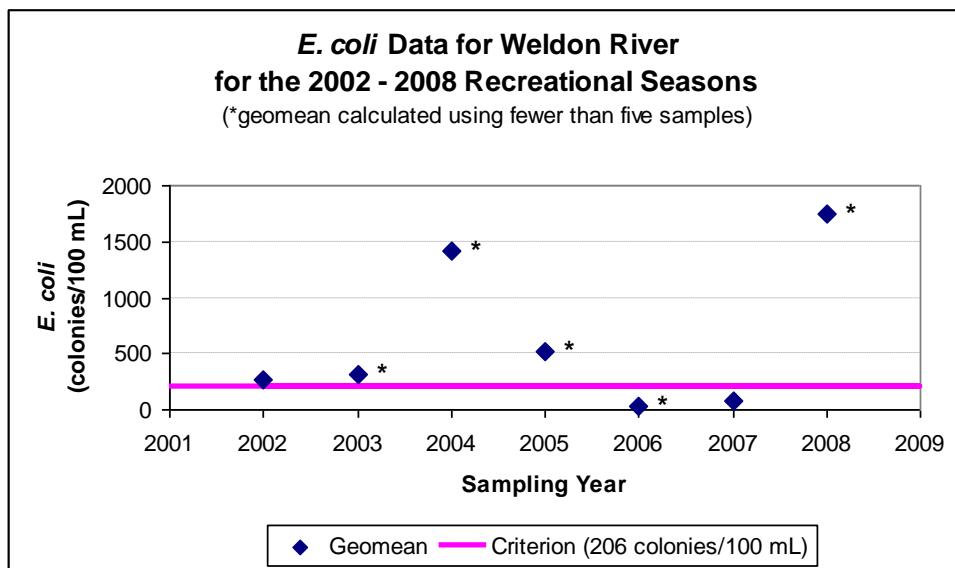
#### Criteria that apply

- Missouri's Water Quality Standards at 10 CSR 20-7.031(5)(C) and Table A state that for waters designated for whole body contact recreation category B, the *E. coli* bacteria count, measured as

a geometric mean, shall not exceed 206 colonies per 100 milliliters of water during the recreational season. The recreational season is defined as being from April 1 to October 31.

### Assessment and water quality data

High counts of *E. coli* bacteria in surface water are an indication of fecal contamination. *E. coli*, are bacteria found in the intestines of warm blooded animals and are used as indicators of the risk of waterborne disease from pathogenic bacteria or viruses. A water body is judged to be impaired by bacteria if the geometric mean exceeds the criterion in any of the last three years for which a minimum of five samples have been collected during the recreation season. Sufficient data for assessment is only available for 2002 and 2007. All other years of available data had fewer than five samples collected. The criterion was exceeded in 2002.



### TMDL for the Weldon River

The Weldon River TMDL will calculate the maximum amount of each listed pollutant that the stream can receive and still meet water quality standards. The TMDL will also identify all potential or suspected pollutant sources in the watershed and distribute the allowable pollutant loads among those various sources. When developed, the Weldon River TMDL will use the most current and available data. For this reason, the final TMDL may present information that differs from that contained in this information sheet.

### For more information call or write:

Department of Natural Resources  
Water Protection Program – Watershed Protection Section  
P.O. Box 176  
Jefferson City, MO 65102-0176  
Ph: 1-800-361-4827 or 573-751-1300  
Fax: 573-526-6802  
Email: [TMDL@dnr.mo.gov](mailto:TMDL@dnr.mo.gov)  
Program Home Page: [dnr.mo.gov/env/wpp/index.html](http://dnr.mo.gov/env/wpp/index.html)

## Map of the Weldon River watershed

